

RFC UHPS Skid

Ultra high pressure extinguishing system for installation



Description

The RFC UHPS Skid is an ultra high pressure extinguishing system that is available in a number of variants and can be used in a variety of ways. The module can be mounted on slide trays or implemented as a complete unit with water tank. This makes it ideal for integration into firefighting vehicles.

Benefits

Extinguishing agent

- the water is atomized into a fine water mist by a high pump pressure of 100 bar
- application of a water-foam compound mixture by proportioning a foam compound
- generation of a foam similar to compressed air foam though the additional use of a foam pipe

Intuitive operation

- quick start-up with an ignition key
- no adjustment of pressure and flow rate required due to fixed preset values
- user-friendly activation and emptying of the water tank and simple continuous adjustment of the foam proportioning rate using manual adjustment handles

First-class extinguishing performance

- excellent extinguishing effect through maximum cooling, effective displacement of oxygen, and thorough penetration of the burning object
- high degree of protection against burn-back due to interruption of the oxygen supply and continuous cooling
- preventive protection against flying sparks and heat for property endangered by fire

Excellent throw range

- large safety distance from the source of fire
- makes the fighting of fires in inaccessible places and at heights easier

Visible extinguishing success

- white foam with strong adherence properties is visible to the jet pipe operator
- the evaporation of foam acts as an indicator of surfaces that are still too hot

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Technical data

Dimensions ^{1,2}	W x D x H = approx. 784 - 806 x 481 - 570 x 640 mm
Weight ^{1,2}	approx. 126 - 136 kg
Engine	<ul style="list-style-type: none">▪ Briggs&Stratton V2-cylinder 4-stroke engine, 480 cm³, 11.8 kW output▪ Honda V2-cylinder 4-stroke engine, 480 cm³, 11.8 kW output
Engine cooling	fan
Fuel supply	<ul style="list-style-type: none">▪ integrated 8,5 litre fuel tank (Briggs&Stratton)▪ mounted 5 litre fuel tank (Honda)
Exhaust	exhaust gas hose according to DIN 14572
Starter	electrical starter and manual pull starter by pull rope
Water pump	3-cylinder high pressure piston pump
Foam proportioning	mechanical
Foam compound supply	built-in 20 litre foam compound canister
Proportioning rates	continuous from 0 % to 6 %
Foam compound	foam compound with viscosity up to 80 cSt
Flow rate	approx. 38 l/min at 100 bar
Hose	<ul style="list-style-type: none">▪ manual reel with hand crank and kink-free high pressure hose DN 12 x 60 m▪ electrical reel with button and kink-free high pressure hose DN 12 x 60 m
Nozzle	<ul style="list-style-type: none">▪ standard-nozzle with attachable foam pipe▪ combination nozzle with extendable foam pipe
Versions	<ul style="list-style-type: none">▪ base frame▪ base frame with slide tray▪ platform with 200 or 300 litre water tank

¹ basic module with filled fuel tank and foam compound canister

² dimensions and weight of the entire system upon request due to the different configuration options

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